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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/509,752	09/30/2004 Norifumi Hasegawa		KON-C483	8308
George A. Loud	7590 03/18/200 l, Esquire	EXAMINER		
BACON & THO		NGUYEN, KHANH TUAN		
Fourth Floor 625 Slaters Lan	e	ART UNIT	PAPER NUMBER	
Alexandria, VA	. 22314-1176	1796		
			MAIL DATE	DELIVERY MODE
			03/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Communication		Appl	ication No.	Applicant(s)	Applicant(s)			
		10/5	09,752	HASEGAWA, NC	HASEGAWA, NORIFUMI			
Office Action Summary			niner	Art Unit				
		KHAI	NH T. NGUYEN	1796				
Period fo	The MAILING DATE of this commun or Reply	ication appears o	n the cover sheet v	vith the correspondence a	ddress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comm o period for reply is specified above, the maximum sta- te to reply within the set or extended period for reply reply received by the Office later than three months a ed patent term adjustment. See 37 CFR 1.704(b).	AILING DATE O of 37 CFR 1.136(a). In unication. tutory period will apply will, by statute, cause the	F THIS COMMUN no event, however, may a and will expire SIX (6) MC ne application to become A	ICATION. It reply be timely filed ONTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).	·			
Status								
1)⊠	Responsive to communication(s) file	d on <i>RCF filed c</i>	n 02/15/2008					
2a)□	,	2b)⊠ This action						
3)		<i>′</i> —		tters, prosecution as to th	e merits is			
٠,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	on of Claims							
4)⊠	Claim(s) <u>1-3 and 5-27</u> is/are pending	ı in the applicatio	on.					
-	4a) Of the above claim(s) is/are withdrawn from consideration.							
	 ✓ Claim(s) <u>8-18,21,22,24 and 27</u> is/are allowed. 							
·	Claim(s) <u>1-3, 4-7, 19, 20, 23, 25, and</u>		ed.					
-	Claim(s) 23 and 25 is/are objected to	=						
	Claim(s) are subject to restric		on requirement.					
	on Papers							
	The specification is objected to by the	Evaminor						
•	The drawing(s) filed on is/are:		or h) Ohiected to	hy the Evaminer				
10/	Applicant may not request that any object	•		-				
	Replacement drawing sheet(s) including				`ER 1 121(d)			
11)	The oath or declaration is objected to		•					
	ınder 35 U.S.C. § 119	by the Examine	1. Note the attack	a chiec reason of femili	10 102.			
	-			0.440(.)(1)(0)				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice (3) Inform	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (Pmation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	TO-948)	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application 				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/15/2008 has been entered.

2. The amendment filed on 02/15/2008 is entered and acknowledged by the Examiner. Claims 1-3, 5-25 and newly added claims 26-27 are currently pending in the instant application. Claim 4 has been cancelled.

Terminal Disclaimer

3. The terminal disclaimer filed on 01/16/2008 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 7,160,837 has been reviewed and is accepted. The terminal disclaimer has been recorded.

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Withdrawn Rejections

4. The rejection of claims 1-11 and 19-25 are rejected under 35 U.S.C. 102(b) as being anticipated by Vanderborgh et al. (U.S Pat. 4,804,592) and the rejection of claims 12-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Chen et al. (U.S. Patent No. 6,187,157) are withdrawn in view of applicant's amendments to the pending claims and in view of the persuasive arguments traversing those rejections.

Claim Objections

5. Claims 23 and 25 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim.

Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 23 is identical to claim 25.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application

by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

7. Claims 1-3, 4-7, 19, 20, 23, 25, and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by Chisholm et al. (U.S. Pat. 6,468,684 B1 hereinafter, "Chisholm").

Chisholm teaches a membrane useful in electrochemical device comprising of solid acid material (i.e. inorganic proton conductor) contains phosphorus or sulfur compound (Col. 3, line to Col. 4, line 42) mixed with Ag, Au or Cu (noble metal catalyst) and an electronically conductivity material such as poly(aniline) (Col. Col. 8, lines 46-57) then polymerized to obtain membrane is capable of conducting both protons and electrons (Col. 3, lines 15-22; Col. 7, lines 61-64; Examples 10-13). The polymerization of the components inherently affixed the inorganic proton conducting material and portions of electron conducting polymer by at least covalent bonding, intercalation or inclusion. Chisholm further teaches the said membrane exhibiting both electrons and proton conductivity at elevated temperatures, e.g., temperature over 100 °C (Col. 4, lines 44-51). The phases "formed by" or "obtained by" rendered the claims as product-

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by-process claims and are not limited to the manipulations of the recited steps, only the structure limited by the steps. Therefore, the patentability of the product does not depend on its method of production and the claimed steps were not given patentable weight.

The reference specifically or inherently meets each of the claimed limitations in their broadest interpretations. The reference is anticipatory.

Allowable Subject Matter

Claims 8-18, 21, 22, 24 and 27 are allowed.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHANH T. NGUYEN whose telephone number is (571)272-8082. The examiner can normally be reached on Monday-Friday 8:00-5:00 EST PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Kopec/ Primary Examiner, Art Unit 1796

/KTN/ 03/10/2008